

IN THE CLAIMS:

The claims are amended as follows:

1. (Previously Presented) A method to realize synchronization of data (DAT) sent from a transmitting entity (TX) to a receiving entity (RX), with a signal (SIG) available in said receiving entity (RX), characterized in that said method includes the steps of:

in said receiving entity (RX) generating said signal available in said receiving entity in accordance with a time moment when data fits into an available time frame, wherein said signal available in said receiving entity is not a signal with a constant frequency;

in said receiving entity (RX) generating a trigger signal (T) from said signal (SIG) available in said receiving entity;

sending said trigger signal (T) from said receiving entity (RX) to said transmitting entity (TX) to indicate that the transmitting entity is allowed to send said data (DAT); and

upon receipt of said trigger signal (T) by said transmitting entity (TX) sending said data (DAT) from said transmitting entity (TX) to said receiving entity (RX) wherein said data (DAT) is for receipt in said receiving entity synchronized with said signal (SIG) available in said receiving entity.

2. (Previously Presented) The method according to claim 1, characterized in that said data (DAT) is asynchronous data.

3. (Previously Presented) The method according to claim 1, characterized in that in the event that no data is available in said transmitting entity (TX) to be sent upon receipt of said trigger signal, said method further includes the step of sending idle data from said transmitting entity (TX) to said receiving entity (RX).

4. (Previously Presented) A receiving entity (RX) for receiving from a transmitting entity (TX) data (DAT), said data (DAT) synchronous with a signal (SIG) available in said receiving entity (RX), characterized in that said receiving entity (RX) includes:

a trigger generator (T-GEN) to generate a trigger signal (T) from said signal (SIG) available in said receiving entity wherein said signal available in said receiving entity is indicative of a time moment when data fits into an available time frame, wherein said signal available in said receiving entity is not a signal with a constant frequency;

a trigger sender (T-SEND) to send said trigger signal (T) from said receiving entity (RX) to said transmitting entity (TX); and

a data receiving entity (DAT-RX) to receive said data (DAT) sent by said transmitting entity (TX) to said receiving entity (RX) upon receipt of said trigger signal (T) wherein said data (DAT) is for receipt in said receiving entity synchronized with said signal (SIG) available in said receiving entity.

5. (Previously Presented) The receiving entity (RX) according to claim 4, characterized in that said receiving entity (RX) is included in an asymmetric digital subscriber line modem.

6. (Previously Presented) A transmitting entity (TX) for transmitting data (DAT) to a receiving entity (RX), said data (DAT) synchronous with a signal (SIG) available in said receiving entity (RX), characterized in that said transmitting entity (TX) includes:

a trigger receiving entity (T-RX) to receive a trigger signal (T) generated by said receiving entity (RX) from said signal (SIG) available in said receiving entity and sent from said receiving entity (RX) to said transmitting entity (TX) wherein said signal available in said receiving entity is indicative of a time moment when data fits into an available time frame, wherein said signal available in said receiving entity is not a signal with a constant frequency; and

a data sending entity (DAT-SEND) to send data (DAT) from said transmitting entity (TX) to said receiving entity (RX) upon receipt of said trigger signal (T) wherein said data (DAT) is for receipt in said receiving entity already synchronized with said signal (SIG) available in said receiving entity.

7. (Previously Presented) The transmitting entity (TX) according to claim 6, characterized in that said transmitting entity (TX) includes an entity to send said data (DAT) asynchronously.

8. (Previously Presented) The transmitting entity (TX) according to claim 6, characterized in that said transmitting entity (TX) includes an idle data generator (ID-GEN) to generate idle data and to send said idle data from said transmitting entity (TX) to said receiving entity (RX) in the event that no data (DAT) is available in said transmitting entity (TX) upon receipt of said trigger signal (T).

9. (Previously Presented) The method of claim 1, wherein said transmitting entity is an asynchronous transfer mode (ATM) transmitter.

10. (Previously Presented) The method of claim 1, wherein said receiving entity comprises frames of a digital subscriber line data stream.

11. (Previously Presented) The method of claim 1, wherein upon receipt of said trigger signal (T), said transmitting entity (TX) sends said data immediately or after a predetermined period.

12. (Cancelled)

13. (Cancelled)

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24. (Cancelled)
25. (Cancelled)
26. (Cancelled)
27. (Cancelled)
28. (Previously presented) A receiving entity (RX) comprising:
 - a sending entity for sending an asynchronous trigger signal (T) from said receiving entity (RX) to a transmitting entity (TX) to indicate a moment when data from said transmitting entity is required;
 - receiving entity for receiving (DAT-RX) a data signal (DAT) with said data from said transmitting entity, at said moment when data from said transmitting entity is required; and
 - trigger generating entity (T-GEN), responsive to a signal (SIG) available in said receiving entity but not having a constant frequency, for providing said asynchronous trigger signal.
29. (Previously Presented) The receiver of claim 28, wherein said data signal is synchronized with said signal available in said receiving entity.

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30. (Cancelled)

31. (Cancelled)

32. (Cancelled)

33. (Cancelled)

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37. (Cancelled)

38. (Cancelled)

39. (Cancelled)

40. (Cancelled)